

SEQUENCE LISTING



<110> Werther, George Arthur
Wraight, Christopher John
Edmondson, Stephanie Ruth

<120> METHOD FOR THE PROPHYLAXIS AND/OR
TREATMENT OF MEDICAL DISORDERS

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<140> 09/598,274

<141> 2000-06-21

<150> 60/140,345

<151> 1999-06-21

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Met	

ctg ccg aga gtg ggc tgc ccc gcg ctg ccg ctg ccg ccg ccg ccg ctg Leu Pro Arg Val Gly Cys Pro Ala Leu Pro Leu Pro Pro Pro Pro Leu -35 -30 -25	168
ctg ccg ctg ctg ccg ctg ctg ctg ctg cta ctg ggc gcg agt ggc ggc Leu Pro Leu Leu Pro Leu Leu Leu Leu Leu Leu Gly Ala Ser Gly Gly -20 -15 -10	216
ggc ggc ggg gcg cgc gcg gag gtg ctg ttc cgc tgc ccg ccc tgc aca Gly Gly Gly Ala Arg Ala Glu Val Leu Phe Arg Cys Pro Pro Cys Thr -5 1 5 10	264
ccc gag cgc ctg gcc gcc tgc ggg ccc ccg ccg gtt gcg ccg ccc gcc Pro Glu Arg Leu Ala Ala Cys Gly Pro Pro Pro Val Ala Pro Pro Ala 15 20 25	312
gcg gtg gcc gca gtg gcc gga ggc gcc cgc atg cca tgc gcg gag ctc Ala Val Ala Ala Val Ala Gly Gly Ala Arg Met Pro Cys Ala Glu Leu 30 35 40	360
gtc cgg gag ccg ggc tgc ggc tgc tgc tgc gtg tgc gcc ccg ctg gag Val Arg Glu Pro Gly Cys Gly Cys Cys Ser Val Cys Ala Arg Leu Glu 45 50 55	408
ggc gag gcg tgc ggc gtc tac acc ccg cgc tgc ggc cag ggg ctg cgc Gly Glu Ala Cys Gly Val Tyr Thr Pro Arg Cys Gly Gln Gly Leu Arg 60 65 70	456
tgc tat ccc cac ccg ggc tcc gag ctg ccc ctg cag gcg ctg gtc atg Cys Tyr Pro His Pro Gly Ser Glu Leu Pro Leu Gln Ala Leu Val Met 75 80 85 90	504
ggc gag ggc act tgt gag aag cgc ccg gac gcc gag tat ggc gcc agc Gly Glu Gly Thr Cys Glu Lys Arg Arg Asp Ala Glu Tyr Gly Ala Ser 95 100 105	552
ccg gag cag gtt gca gac aat ggc gat gac cac tca gaa gga ggc ctg Pro Glu Gln Val Ala Asp Asn Gly Asp Asp His Ser Glu Gly Gly Leu 110 115 120	600
gtg gag aac cac gtg gac agc acc atg aac atg ttg ggc ggg gga ggc Val Glu Asn His Val Asp Ser Thr Met Asn Met Leu Gly Gly Gly Gly 125 130 135	648
agt gct ggc ccg aag ccc ctc aag tcg ggt atg aag gag ctg gcc gtg Ser Ala Gly Arg Lys Pro Leu Lys Ser Gly Met Lys Glu Leu Ala Val 140 145 150	696
ttc cgg gag aag gtc act gag cag cac ccg cag atg ggc aag ggt ggc Phe Arg Glu Lys Val Thr Glu Gln His Arg Gln Met Gly Lys Gly Gly 155 160 165 170	744
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Lys His His Leu Gly Leu Glu Glu Pro Lys Lys Leu Arg Pro Pro Pro	
175 180 185	
gcc agg act ccc tgc caa cag gaa ctg gac cag gtc ctg gag cgg atc	840
Ala Arg Thr Pro Cys Gln Gln Glu Leu Asp Gln Val Leu Glu Arg Ile	
190 195 200	
tcc acc atg cgc ctt ccg gat gag cgg ggc cct ctg gag cac ctc tac	888
Ser Thr Met Arg Leu Pro Asp Glu Arg Gly Pro Leu Glu His Leu Tyr	
205 210 215	
tcc ctg cac atc ccc aac tgt gac aag cat ggc ctg tac aac ctc aaa	936
Ser Leu His Ile Pro Asn Cys Asp Lys His Gly Leu Tyr Asn Leu Lys	
220 225 230	
cag tgc aag atg tct ctg aac ggg cag cgt ggg gag tgc tgg tgt gtg	984
Gln Cys Lys Met Ser Leu Asn Gly Gln Arg Gly Glu Cys Trp Cys Val	
235 240 245 250	
aac ccc aac acc ggg aag ctg atc cag gga gcc ccc acc atc cgg ggg	1032
Asn Pro Asn Thr Gly Lys Leu Ile Gln Gly Ala Pro Thr Ile Arg Gly	
255 260 265	
gac ccc gag tgt cat ctc ttc tac aat gag cag cag gag gct tgc ggg	1080
Asp Pro Glu Cys His Leu Phe Tyr Asn Glu Gln Gln Glu Ala Cys Gly	
270 275 280	
gtg cac acc cag cgg atg cag tag accgcagcca gccggtgcct ggcgccctg	1134
Val His Thr Gln Arg Met Gln *	
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Met Gln Arg	

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Arg Gly Pro Pro Val Ala Arg Ala Gly Ala Ser Ser Gly Gly Leu Gly	
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ccc gtg gtg cgc tgc gag ccg tgc gac gcg cgt gca ctg gcc cag tgc	262
Pro Val Val Arg Cys Glu Pro Cys Asp Ala Arg Ala Leu Ala Gln Cys	
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gcg cct ccg ccc gcc gtg tgc gcg gag ctg gtg cgc gag ccg ggc tgc	310
Ala Pro Pro Pro Ala Val Cys Ala Glu Leu Val Arg Glu Pro Gly Cys	
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Gly Cys Cys Leu Thr Cys Ala Leu Ser Glu Gly Gln Pro Cys Gly Ile	
70 75 80	
tac acc gag cgc tgt ggc tcc ggc ctt cgc tgc cag ccg tcg ccc gac	406
Tyr Thr Glu Arg Cys Gly Ser Gly Leu Arg Cys Gln Pro Ser Pro Asp	
85 90 95	
gag gcg cga ccg ctg cag gcg ctg ctg gac ggc cgc ggg ctc tgc gtc	454
Glu Ala Arg Pro Leu Gln Ala Leu Leu Asp Gly Arg Gly Leu Cys Val	
100 105 110 115	
aac gct agt gcc gtc agc cgc ctg cgc gcc tac ctg ctg cca gcg ccg	502
Asn Ala Ser Ala Val Ser Arg Leu Arg Ala Tyr Leu Leu Pro Ala Pro	
120 125 130	
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Pro Ala Pro Gly Asn Ala Ser Glu Ser Glu Glu Asp Arg Ser Ala Gly	
135 140 145	
agt gtg gag agc ccg tcc gtc tcc agc acg cac cgg gtg tct gat ccc	598
Ser Val Glu Ser Pro Ser Val Ser Ser Thr His Arg Val Ser Asp Pro	
150 155 160	
aag ttc cac ccc ctc cat tca aag ata atc atc atc aag aaa ggg cat	646
Lys Phe His Pro Leu His Ser Lys Ile Ile Ile Ile Lys Lys Gly His	
165 170 175	
gct aaa gac agc cag cgc tac aaa gtt gac tac gag tct cag agc aca	694
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gat acc cag aac ttc tcc tcc gag tcc aag cgg gag aca gaa tat ggt	742
Asp Thr Gln Asn Phe Ser Ser Glu Ser Lys Arg Glu Thr Glu Tyr Gly	
200 205 210	

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Pro Cys Arg Arg Glu Met Glu Asp Thr Leu Asn His Leu Lys Phe Leu	
215 220 225	
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Asn Val Leu Ser Pro Arg Gly Val His Ile Pro Asn Cys Asp Lys Lys	
230 235 240	
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Gly Phe Tyr Lys Lys Lys Gln Cys Arg Pro Ser Lys Gly Arg Lys Arg	
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Gly Phe Cys Trp Cys Val Asp Lys Tyr Gly Gln Pro Leu Pro Gly Tyr	
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Leu Ala Pro Glu Glu Gly Pro Arg Pro Arg Cys Gly Gly Ser Cys Phe	
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tct ccg ccg cgc tct cgc tct ggc cga cga gtg gag aaa tct gcg ggc	148
Ser Pro Pro Arg Ser Arg Ser Gly Arg Arg Val Glu Lys Ser Ala Gly	
-5 1 5	
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Gln Ala Ser Thr Ser Ala Thr Thr Ile Ser Ser * Ser Ala Trp Arg	
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act gca cgg tga tcg agg gct acc tcc aca tcc tgc tca tct cca agg	244
Thr Ala Arg * Ser Arg Ala Thr Ser Thr Ser Cys Ser Ser Pro Arg	
25 30 35	
ccg agg act acc gca gct acc gct tcc cca agc tca cgg tca tta ccg	292
Pro Arg Thr Thr Ala Ala Thr Ala Ser Pro Ser Ser Arg Ser Leu Pro	
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Ser Thr Cys Cys Cys Ser Glu Trp Leu Ala Ser Arg Ala Ser Glu Thr	
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Ser Ser Pro Thr Ser Arg Ser Ser Ala Ala Gly Asn Ser Ser Thr Thr	
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Thr Pro Trp Ser Ser Ser Arg * Pro Ile Ser Arg Ile Leu Gly Phe	
90 95 100	
aca acc tga gga aca tta ctc ggg ggg cca tca gga ttg aga aaa atg	484
Thr Thr * Gly Thr Leu Leu Gly Gly Pro Ser Gly Leu Arg Lys Met	
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Leu Thr Ser Val Thr Ser Pro Leu Trp Thr Gly Pro * Ser Trp Met	
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Arg Cys Pro Ile Thr Thr Leu Trp Gly Ile Ser Pro Gln Arg Asn Val	
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Ala Arg Lys Cys Ala Gln Ala Arg Val Gly Ser Gly Arg Ala Pro Arg	
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Thr Met Ser Ala Ala Thr Pro Ser Ala Trp Ala Ala Ala Arg Leu	
195 200 205 210	
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340 345 350	

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Thr * Arg Ser Ala Ile Leu Met Pro Trp Ser Pro Cys Pro Ser *	
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Lys Thr Phe Ala Ser Ser * Glu Arg Ser Ser * Lys Gly Ile Thr	
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Pro Ser Thr Ser Ser Thr Thr Arg Thr Cys Ser Asn Cys Gly Thr Gly	
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acc acc gca acc tga cca tca aag cag gga aaa tgt act ttg ctt tca	1396
Thr Thr Ala Thr * Pro Ser Lys Gln Gly Lys Cys Thr Leu Leu Ser	
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Pro Arg Arg Arg Ile Ala Ser Ser * Pro Gly Thr Gly Thr Gly Pro	
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Leu Thr Thr Gly Ile Ser Ser Ala Ser Pro Phe Thr Thr Arg Lys His	
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Thr Ala Gly Thr Trp Trp Thr Trp Thr Ser Arg Pro Thr Arg Thr Trp	
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Ser Pro Ala Ser Tyr Tyr Met Gly * Ser Pro Gly Leu Ser Thr Pro	
520 525 530	
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Phe Thr Ser Arg Leu * Pro Ser Pro Trp Trp Arg Thr Thr Ile Ser	
535 540 545	
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Val Gly Pro Arg Val Arg Ser Cys Thr Phe Ala Pro Met Leu Gln Phe	
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570 575 580	
taa tcg tga agt gga acc ctc cct ctc tgc cca acg gca acc tga gtt	1972
* Ser * Ser Gly Thr Leu Pro Leu Cys Pro Thr Ala Thr * Val	
585 590	
act aca ttg tgc gct ggc agc ggc agc ctc agg acg gct acc ttt acc	2020
Thr Thr Leu Cys Ala Gly Ser Gly Ser Leu Arg Thr Ala Thr Phe Thr	
595 600 605 610	
ggc aca att act gct cca aag aca aaa tcc cca tca gga agt atg ccg	2068
Gly Thr Ile Thr Ala Pro Lys Thr Lys Ser Pro Ser Gly Ser Met Pro	
615 620 625	
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Thr Ala Pro Ser Thr Leu Arg Arg Ser Gln Arg Thr Pro Arg Leu Arg	
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Cys Val Val Gly Arg Lys Gly Leu Ala Ala Pro Ala Pro Lys Leu Lys	
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aga att tcc tgc aca act cca tct tcg tgc cca gac ctg aaa gga agc	2260
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Trp Arg Gln Ser Thr Leu Ser Leu Arg Ala Glu Trp Ile Thr Arg Arg	
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gaa ctg tca ttt cta acc ttc ggc ctt tca cat tgt acc gca tcg ata	2452
Glu Leu Ser Phe Leu Thr Phe Gly Leu Ser His Cys Thr Ala Ser Ile	
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Leu Gly Gln * Pro Gly Ser Gln Gly Leu Lys Thr Pro Ser Phe *				
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Ser Gly Arg Asn Leu Arg Ile Pro Met Asp * Phe * Cys Met Lys				
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* Asn Thr Asp His Lys Leu Arg Ile Ser Glu Asn Val Cys Pro Asp				
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Arg Asn Thr Gly Ser Met Glu Gly Pro Ser * Thr Gly * Thr Arg				
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Gly Thr Thr Gln Pro Gly Phe Arg Pro His Leu Ser Leu Gly Met Gly				
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Arg Gly Gln Ile Leu Cys Ser Ser Met Ser Arg Pro Lys Gln Asp Met				
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Lys Thr Ser Ser Ile * Ser Ser Leu Cys Pro Ser Leu Ser Cys *				
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Ser Trp Glu Gly Trp * Leu Cys Cys Thr Ser Ser Ile Glu Arg Glu				
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Ile Thr Ala Gly Trp Gly Met Glu Cys Cys Met Pro Leu * Thr Arg				
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Ser Thr Ser Ala Leu Leu Met Cys Thr Phe Leu Met Ser Gly Arg Trp				
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Leu Gly Arg Arg Ser Pro * Ala Gly Asn Leu Gly Arg Gly Arg Leu				
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Gly Trp Ser Met Lys Glu Leu Pro Arg Val Trp * Lys Met Asn Leu				
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Lys Pro Glu Trp Pro Leu Lys Gln * Thr Arg Pro Gln Ala Cys Val	
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Val Thr Met Trp Cys Asp Cys Trp Val Trp Cys Pro Lys Ala Ser Gln	
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His Trp Ser Ser Trp Asn * * His Gly Ala Ile Ser Lys Val Ile	
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